

M 5.7, 76 km NW of Corral del Risco (Punta de Mita), Mexico

Origin Time: 2021-07-04 02:45:02 UTC (Sat 20:45:02 local)

Location: 21.2161° N 106.0785° W Depth: 51.1 km

Created: 1 day, 18 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

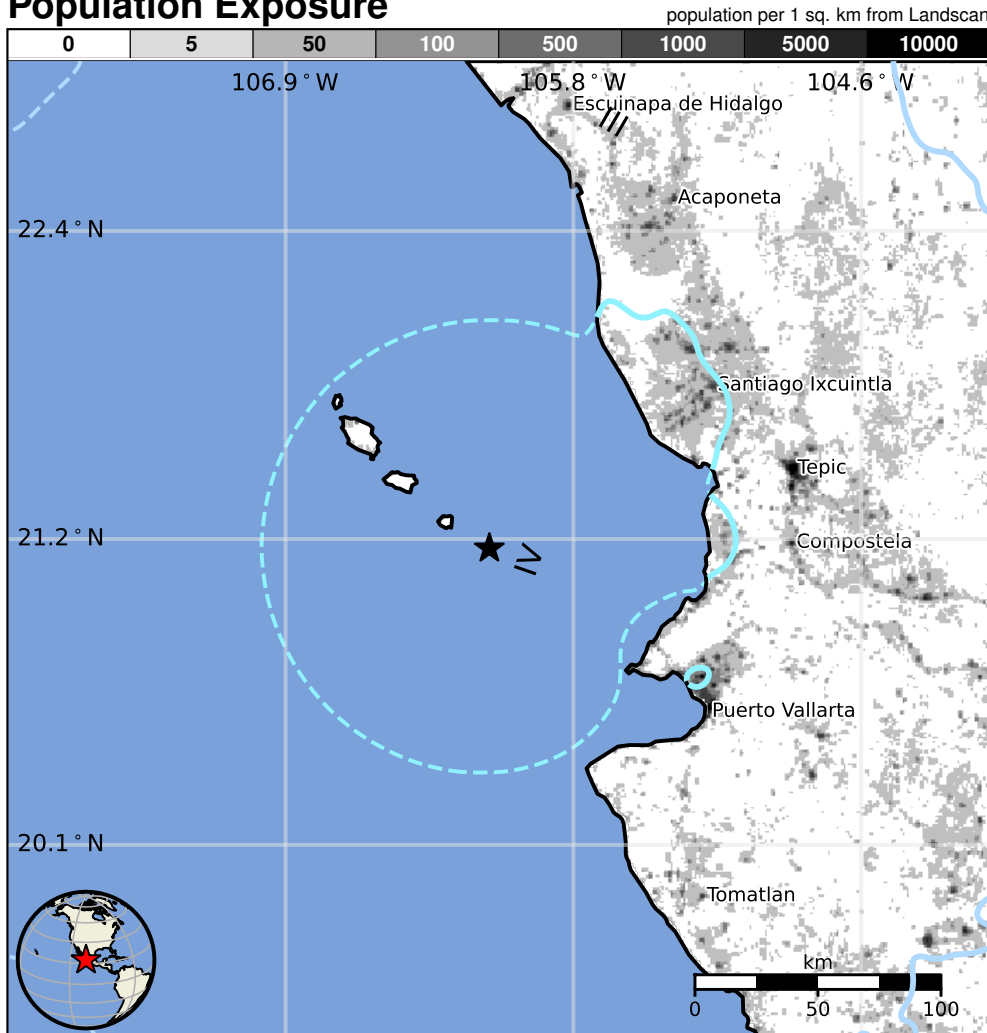


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 1,604k* | 442k | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|---------|-------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2003-01-22 | 332 | 7.5 | VII(300k) | 29 |
| 1995-10-12 | 340 | 5.9 | VII(129k) | 0 |
| 1995-10-09 | 309 | 8.0 | VIII(89k) | 49 |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|----------------------|------------|
| IV | Autan | 2k |
| IV | Puerta de Mangos | 2k |
| IV | Canada del Tabaco | 2k |
| IV | Guadalupe Victoria | 3k |
| IV | San Blas | 9k |
| IV | Villa Juarez | 3k |
| III | Tepic | 281k |
| III | Puerto Vallarta | 187k |
| III | Escuinapa de Hidalgo | 28k |
| III | El Salto | 23k |
| III | Autlan de Navarro | 42k |

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000eik4#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000eik4